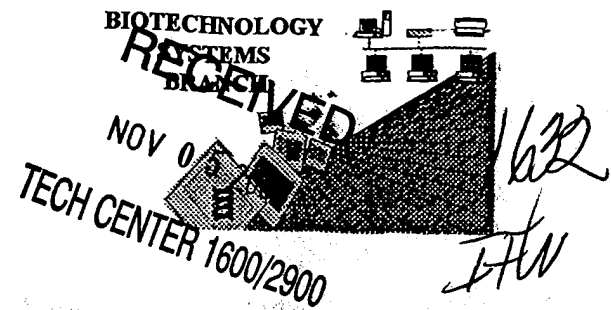


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/617,443
Source: O/PE
Date Processed by STIC: 8/27/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/617,443

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial-Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIPE

RAW SEQUENCE LISTING

DATE: 08/27/2003

PATENT APPLICATION: US/10/617,443

TIME: 14:32:39

Input Set : A:\ORT-1644.txt

Output Set: N:\CRF4\08272003\J617443.raw

2 <110> APPLICANT: Darrow, Andrew L
 3 Qi, Jian-shen
 4 Chen, Cailin
 5 Andrade-Gordon, Patricia
 7 <120> TITLE OF INVENTION: Human PRSS-11 like S2 serine protease and uses thereof
 9 <130> FILE REFERENCE: cDNA encoding PRSS-11 protease
 11 <140> CURRENT APPLICATION NUMBER: US/10/617,443
 12 <141> CURRENT FILING DATE: 2003-07-02
 14 <160> NUMBER OF SEQ ID NOS: 8
 16 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 3006
 E--> 20 <212> TYPE: CDNA
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1

24 cagggaactcg aagtttgcag tctccacac tcagttccca cagatgtggt aggagggcat 60
 25 attcagtccc atttttcaga tgaggagttg aggccagag aacgtaagta atctgtctga 120
 26 ggccacacag ctgaaagca gccaggccca gccgaacccc tgggtgtgtgc agcccccagc 180
 27 ccagttgctc attgcggggc tggggagcca cgagcgaggc tgagcagcat gtgttccaga 240
 28 tgggtgggaac tggagagagc ccggcacagg cccgtgcagg gaaccccgag ggctgtaggc 300
 29 cccgtgccac tgcattgcctc aggcctgtgg tcttggcagc cacagcccct actgctgacg 360
 30 gcagcaggaa tctgagcccg ggaaggggtcc aggggaagttc gtgaaccatc tagcaagtcg 420
 31 ggctgggggtg tggccaagtt agacacagat gtagggccct gtggactcag aaattggcag 480
 32 ctcttttggc ccagaggggc cagcgtgtgt ccgggcctgg gttagctcaga agggtcacct 540
 33 ggggggtcttc cactacaccc ccgcctggac actgctgtag cccagggct cggagggacc 600
 34 agctggagcc catgaggaga gggccagttc tctcctgtaa ggggtattgct gtagcatgag 660
 35 ggaacagaca aggccaggg ggactaacc gagatccagc cccggcctca ctcccggtgtg 720
 36 gctcacggca atatcctaac ctctctctga gctcctgcc cagcctagca ggggtccagt 780
 37 aggggggtga ggaagccag cagctggaag cttttttaac cattctcggg gtgagcgagc 840
 38 cccttcccaa atgcctgggt tcaactgact gctgtgtggt aggggggtccc caacgggctc 900
 39 agtgtgggct gaggctggct ctgaactggg acaggggtct caggaagagc ctctcctcc 960
 40 tgcccaactgg gcataggcct ctgggagctg gcagcatcgt gatctcactg atgcacctgg 1020
 41 cccttcccgc cagcgcaggt ctccaccagc tgagcagccc gcgctacaag ttcaacttca 1080
 42 ttgctgacgt ggtggagaag atcgaccag ccgtgggtcca catagagctc ttcctgagac 1140
 43 acccgctgtt tggccgcaac gtgcccctgt ccagcgggtc tggcttcac atgtcagagg 1200
 44 ccggcctgat catcaccaat gccacgtgg tgtccagcaa cagtgtgcc ccgggcaggc 1260
 45 agcagctcaa ggtgcagcta cagaatggg actcctatga ggccaccatc aaagacatcg 1320
 46 acaagaagtc ggacattgcc accatcaaga tccatcccaa gaaaaagctc cctgtgttgt 1380
 47 tgctgggtca ctggccgac ctgggcctg gggagttgt ggtggccatc ggcagtcct 1440

pp 1, 3

Does Not Comply

Corrected Diskette Needed

Describe any modifications
 in the
 <2207-2237
 section

RAW SEQUENCE LISTING

DATE: 08/27/2003

PATENT APPLICATION: US/10/617,443

TIME: 14:32:39

Input Set : A:\ORT-1644.txt

Output Set: N:\CRF4\08272003\J617443.raw

```

48 tcgccctaca gaacacagtg acaacgggca tcgtcagcac tgcccagcgg gagggcaggg 1500
49 agctgggcct ccgggactcc gacatggact acatccagac ggatgccatc atcaactacg 1560
50 ggaactccgg gggaccactg gtgaacctgg atggcgaggt cattggcatc aacacgctca 1620
51 aggtcacggc tggcatctcc tttgccatcc cctcagaccg catcacacgg ttcctcacag 1680
52 agttccaaga caagcagatc aaagactgga agaagcgctt catcggcata cggatgcgga 1740
53 cgatcacacc aagcctggtg gatgagctga aggccagcaa cccggacttc ccagaggtca 1800
54 gcagtggaat ttatgtgcaa gaggttgctc cgaattcacc ttctcagaga ggcggcatcc 1860
55 aagatggtga catcatcgtc aaggtcaacg ggcgtcctct agtggactcg agtgagctgc 1920
56 aggaggccgt gctgaccgag tctcctctcc tactggaggt gcggcggggg aacgacgacc 1980
57 tcctcttcag catcgacct gaggtggtca tgtgaggggc gcattcctcc agcgccaagc 2040
58 gtcagagcct gcagacaacg gagggcagcg ccccccgag atcaggacga aggaccaccg 2100
59 tcggtcctca gcaggcgcg agcctcctcc tggctgtccg gggcagagcg gaggctgggc 2160
60 ttggccaggg gcccgaaatt ccgcctgggg agtggtggat ccacatcccg gtgccgggga 2220
61 gggaagccca acatcccctt gtacagatga tcctgaaagt cacttccaag ttctccggat 2280
62 attcacaaaa ctgccttcca tggaggtccc ctctctctct agcttccgcg ctctgccct 2340
63 gtgaacaccc atctgcagta tccccctgtc ctgcccctcc tactgcaggt ctgggctgcc 2400
64 aagcttcttc ccccctgaca aacgcccacc tgacctgagg cccagcttc cctctgccct 2460
65 aggacttacc aagctgtagg gccagggtg ctgcctgcca gcctggggtc cctggaggac 2520
66 aggtcacatc tgatcccttt ggggtgcggg ggtggggtcc agcccagagc aggcactgag 2580
67 tgaatgcccc ctggctgcgg agctgagccc cgccctgcca tgaggttttc ctcccaggc 2640
68 aggcaggagg ccgcggggag cacgtgga aa gttggctgct gcctggggaa gcttctcctc 2700
69 cccaaggcgg ccatggggca gcctgcagag gacagtggac gtggagctgc ggggtgtgag 2760
70 gactgagccg gcttcccctt cccacgcagc tctgggatgc agcagccgct cgcatggaag 2820
71 tgccgcccag aggcattgag gctgctgggc accaccccct catccaggga acgagtgtgt 2880
72 ctcaaggggc atttgtgagc tttgctgtaa atggattccc agtggtgctt gtactgtatg 2940
73 tttctctact gtatggaaaa taaagtttac aagcacacgg ttctcagcca aaaaaaaaaa 3000
74 aaaaaa 3006

```

<210> 7

<211> 20

<212> DNA

<213> Internal Sequence

*invalid - see item 10 on Error
Summary Sheet*

<220>

<223> Description of Internal Sequence: primer

<400> 7

gcaagtcggg ctggggtgtg

20

<210> 8

<211> 24

<212> DNA

<213> Internal Sequence

invalid

<220>

<223> Description of Internal Sequence: primer

<400> 8

caggagctt tttcttgga tgga

24

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/617,443

DATE: 08/27/2003

TIME: 14:32:40

Input Set : A:\ORT-1644.txt

Output Set: N:\CRF4\08272003\J617443.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:20 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: